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## CLAIMS

1. System for individual learning, said system (1) comprising:

- an apparatus (2) for controlling the learning system (1),
- 5 - at least one communication network (3),
- at least one user terminal (4),
- at least one content data base (5) provided with information units, preferably questions and answers (Q/A),

said content data base (5) being connectable to said apparatus (2), wherein said apparatus (2) further comprises at least one system data base (10) for storing user specific data, means for identification and/or verification of a user, administration means providing said user to control the system (1), and means (8) for registration of transactions a user performs, characterised in that said apparatus (2) is connectable to a learning tool (11) comprising an interface (12) for presenting data to the user and calculating means (9), wherein the learning tool (11) is arranged to provide selective training according to the users knowledge comprising preacquired knowledge a user had before training, and learned knowledge after training, which is estimated and predicted by the system (1) by said calculating means (9) in each point in time, wherein the system (1) is arranged to provide a user access at any desired time point using time as a parameter, such that short term and long term training is provided.

2. System according to claim 1, wherein in a training mode, the interface (12) shows an information unit comprising a question, which the user should evaluate, whereby wrong answers are then stored for each information unit in a memory (23) of the learning tool (11), whereby after the user has answered a question correctly a sufficient number of times, or has been repeated so many times that it can be estimated to be known, this information unit is marked as known for the user at a certain time point.

3. System according to claim 1 or 2, wherein filter means (18) are provided, preferably in the learning tool (11), for presenting information units, such as Q/A:s in a particular order to the user.

4. System according to claim 2 or 3, wherein a point of time when a Q/A is marked as learned by said learning tool (11) for a particular user is stored within a tool for optimised repetition (19), where the time ( $T_{next\ test}$ ) to which the user has to answer this question again is

controlled by said tool for optimised repetition (19), wherein, if the answer is wrong, this question is not denoted as learned any more and is transferred to the questions that have to be learned, and if, on the contrary, the Q/A is correctly answered, the time period until when this question must be answered again, is extended by a factor, and wherein the time period ( $T_{next}$   
5 test) is longer than a predetermined time period, this Q/A is marked as knowledge, which is not further checked, but still kept in the system.

5. System according to any preceding claim, wherein diagnosis means (20) is provided to estimate the knowledge of the user within a subject.

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6. System according to any preceding claim, wherein tool (21) for extracting information units from non-preprepared information, preferably to create Q/A:s from a non-preprepared digital text is provided in the apparatus (2).

15 7. System according to any preceding claim, wherein at least one proactive dictionary (22) is connectable to the system (1) or provided in the apparatus (2), said dictionary (22) being adapted to present words considered by the system (1) to be unknown for the user.

8. System according to claim 7, wherein said dictionary (22) is arranged to check a text,  
20 either stored in the system or introduced to the system from an external source (e.g. Internet), to a user's profile, to look up data not known by the user, and presenting translations simultaneously.

9. System according to claim 8, wherein said dictionary (22) is connectable to a tool for  
25 extraction of teaching or learning material from texts and preferably checked to a user's profile for acceptable texts or fragments of texts, based on stated interest and level of knowledge.

10. System according to claim 8 or 9, wherein at least one external dictionary (24) is  
30 connectable to the system (1), said at least one external dictionary being adapted to cooperate with the system.

11. System according to any preceding claim, wherein the administration means (7) is arranged to provide a user to control the system (1).

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12. System according to any preceding claim, wherein the means (8) for registration is arranged to register transactions a user performs, and stores data in the system data base (10) comprising user specific data.

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13. System according to any preceding claim, wherein the user terminal (4) is a mobile phone, a PDA, a laptop or a PC.

14. A method for individual learning in a learning system (1), wherein an apparatus (2) for controlling the learning system (1),

- at least one communication network (3),
- at least one user terminal (4),
- at least one content data base (5) provided with information units, preferably questions and answers (Q/A),

15 at least one system data base (10) for storing user specific data, a learning tool (11), comprising calculating means (9), for presenting and receiving data to/from the user are provided, arranged to provide selective training according to the users knowledge comprising preacquired knowledge a user has had before training, and learned knowledge after training, which is estimated and predicted by said calculating means (9), said method comprising the steps of:

- showing (101) at least one information unit, preferably a question for the user,
- receiving (102) an evaluation from the user to said at least one information unit, preferably question,
- presenting (103) a corresponding at least one information unit, preferably an answer to said at least one information unit, preferably a question,
- self-assessment (104) by the user of the correctness to said, at least one information unit, preferably question,

characterised in

- estimating and predicting (106) the user's knowledge

30 in each point in time, and providing a user access at any desired time point using time as a parameter, such that short term and long term training is provided.

15. A method according to claim 14, wherein in a training mode, the interface (12) shows an information unit comprising a question, which the user should evaluate, whereby

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wrong answers are then stored for each information unit in a memory (23) of the learning tool (11), whereby after the user has answered a question correctly a sufficient number of times, or has been repeated so many times that it can be estimated to be known, this information unit is marked as known for the user at a certain time point.

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16. A method according to claim 14 or 15, wherein filter means (18) are provided, preferably in the learning tool (11), for presenting information units, such as Q/A:s in an order optimised for the specific user's needs.

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17. A method according to claim 15 or 16, wherein a point of time when a Q/A is marked as learned by said learning tool (11) for a particular user is stored within a tool for optimised repetition (19), where the time ( $T_{\text{next test}}$ ) to which the user has to answer this question again is controlled by said tool for optimised repetition (19), wherein, if the answer is wrong, this question is not denoted as learned any more and is transferred to the questions that have to be learned, and if, on the contrary, the Q/A is correctly answered, the time period until when this question must be answered again, is extended by a factor, and wherein the time period ( $T_{\text{next test}}$ ) is longer than a predetermined time period, this Q/A is marked as knowledge, which is not further checked, but still kept in the system.

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18. A method according to claim 14, comprising the step of storing Q/A:s as data for a particular user.

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19. A method according to claim 14, wherein long term repetition of questions is optimised.

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20. A method according to claim 14 or 18, wherein Q/A:s are presented in a particular order.

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21. A method according to any one of the claims 14 to 20, wherein learning speed, rate of learning, for a particular user is determined.

22. A method according to any one of the claims 14 to 21, wherein at least one external dictionary (24) is connectable to the system (1), said at least one external dictionary being adapted to cooperate with the system.

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23. A method according to any one of the claims 14 to 21, wherein the administration means (7) is arranged to provide a user to control the system (1).

- 5 24. A Computer program product stored on a computer useable medium, comprising in a computer readable code means to make the computer execute the method according to any one of claims 14 to 23.

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